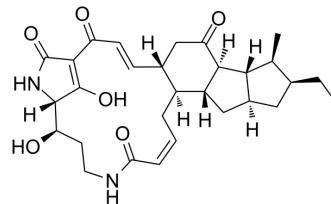


Xanthobaccin A

Cat. No.:	HY-122955
CAS No.:	227596-81-8
Molecular Formula:	C ₂₉ H ₃₈ N ₂ O ₆
Molecular Weight:	510.62
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Xanthobaccin A is an antifungal compound, can be isolated from the culture fluid of *Stenotrophomonas* sp. strain SB-K88. Xanthobaccin A has potent inhibitory effect on sugar beet damping-off disease^{[1][2][3]}.

REFERENCES

- [1]. Islam MT, et al. Suppression of damping-off disease in host plants by the rhizoplane bacterium *Lysobacter* sp. strain SB-K88 is linked to plant colonization and antibiosis against soilborne *Peronosporomycetes*. *Appl Environ Microbiol.* 2005 Jul;71(7):3786-96.
- [2]. Nakayama T, et al. Possible role of xanthobaccins produced by *Stenotrophomonas* sp. strain SB-K88 in suppression of sugar beet damping-off disease. *Appl Environ Microbiol.* 1999 Oct;65(10):4334-9.
- [3]. Hashidoko Y, et al. Structure elucidation of xanthobaccin A, a new antibiotic produced from *Stenotrophomonas* sp. strain SB-K88[J]. *Tetrahedron letters*, 1999, 40(15): 2957-2960.

Caution: Product has not been fully validated for medical applications. For research use only.

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